City of Ljubljana

CIVITAS FORUM 2015

CIVITAS ANNUAL CONFERENCE | 7-9 OCTOBER 2015 | LJUBLJANA

MULTIMODAL JOURNEY PLANNERS: SOLVING THE MOBILITY PUZZLE (MYWAY)

Cristina Pou
Head of Road Transport
Government of Catalonia

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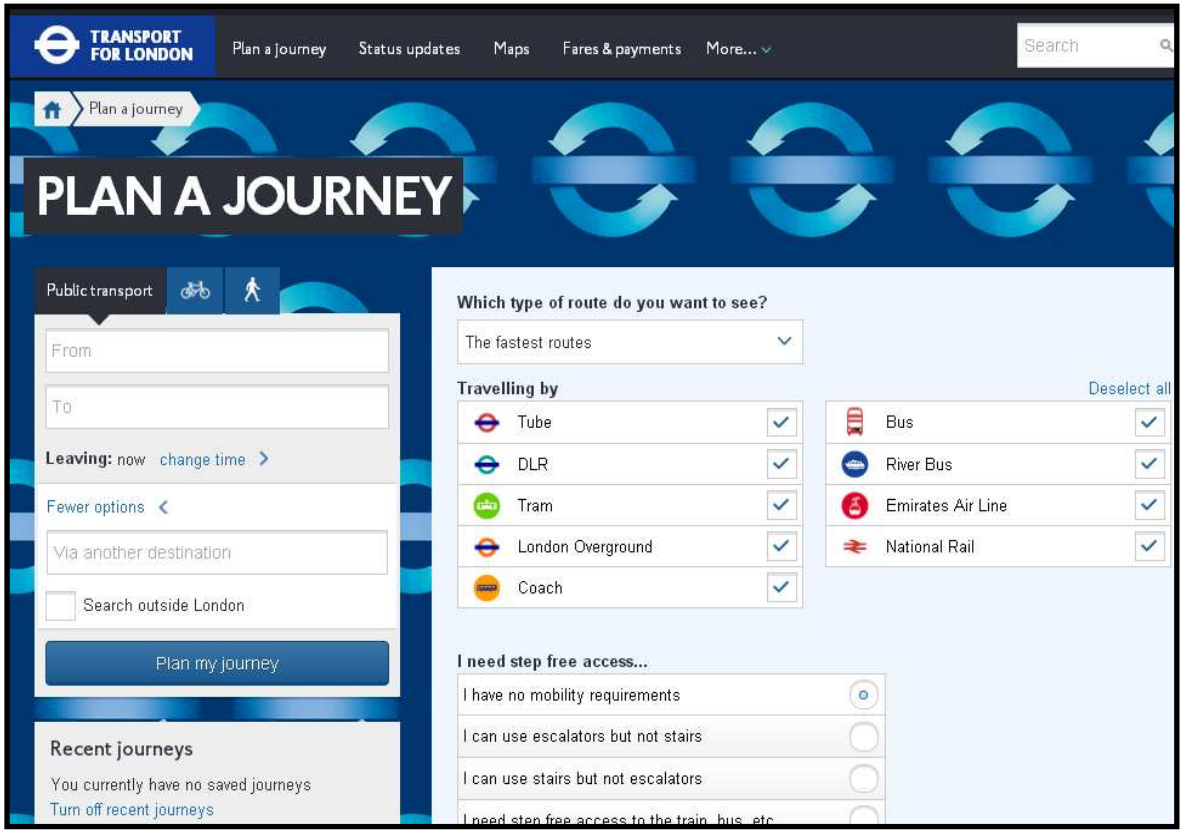
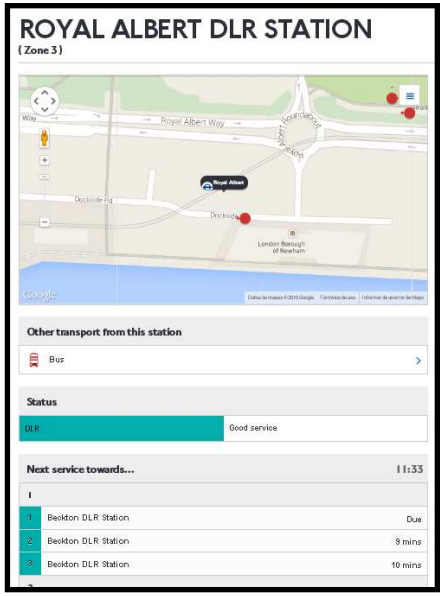
Journey planners around Europe

TRANSPORT FOR LONDON



- Web responsive
- Public transport
- Cycling
- Walking
- Live arrivals



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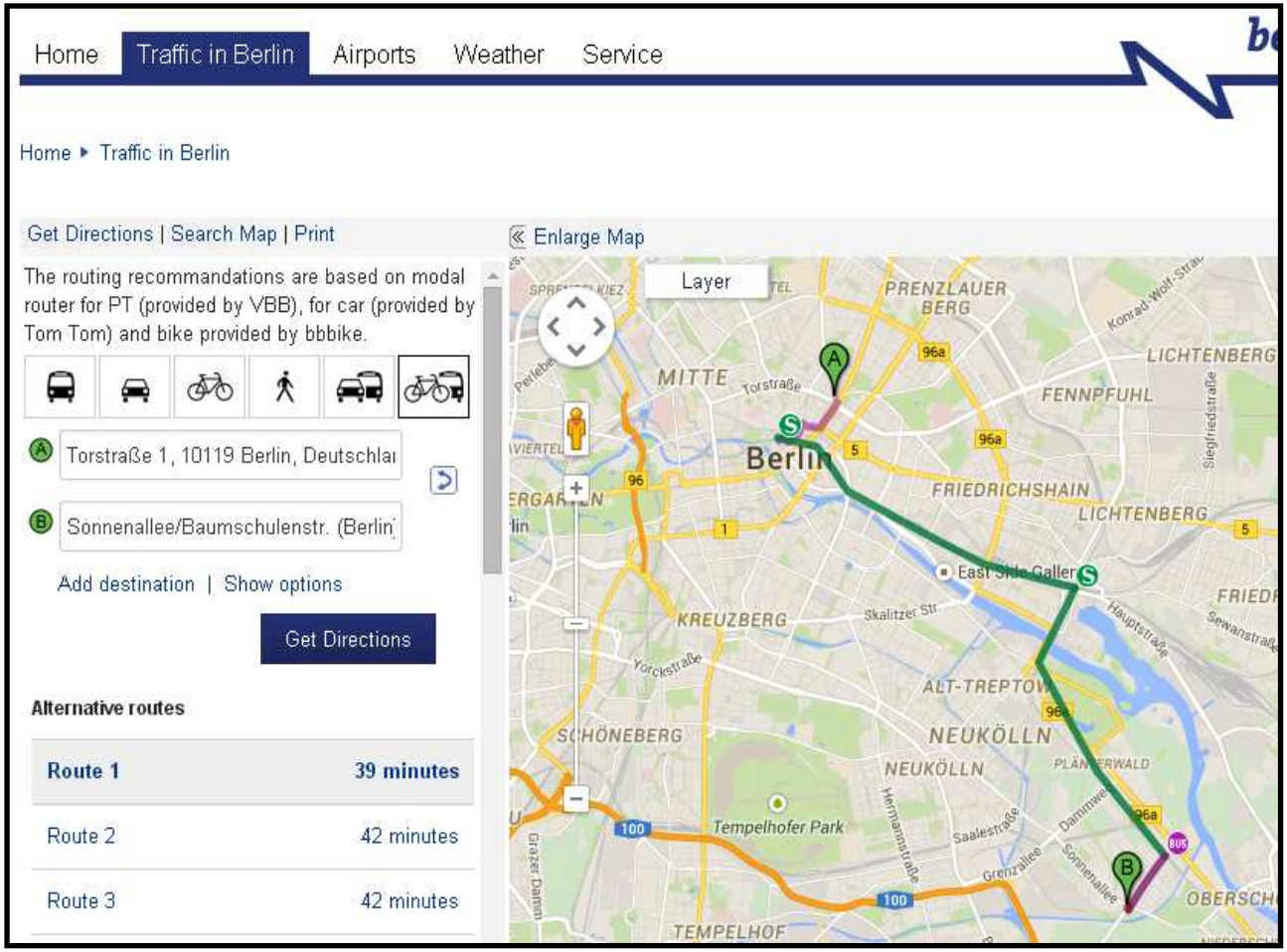
VMZ BERLIN



- Web site
- Public transport
- Private car
- Cycling
- Walking
- Park&Ride
- Cycle+PT

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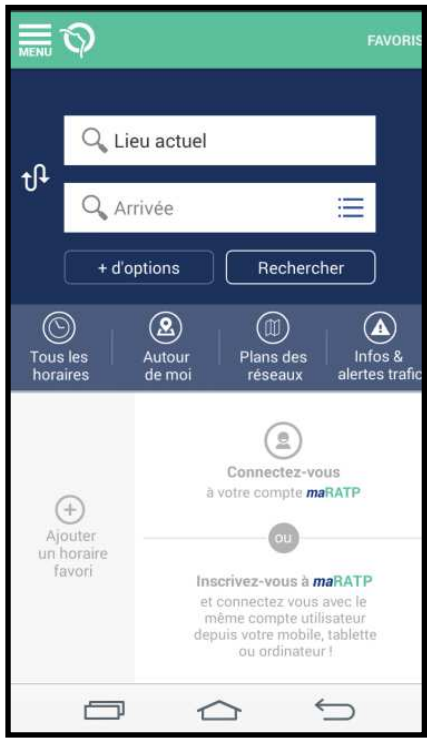
Journey planners around Europe

RATP PARIS

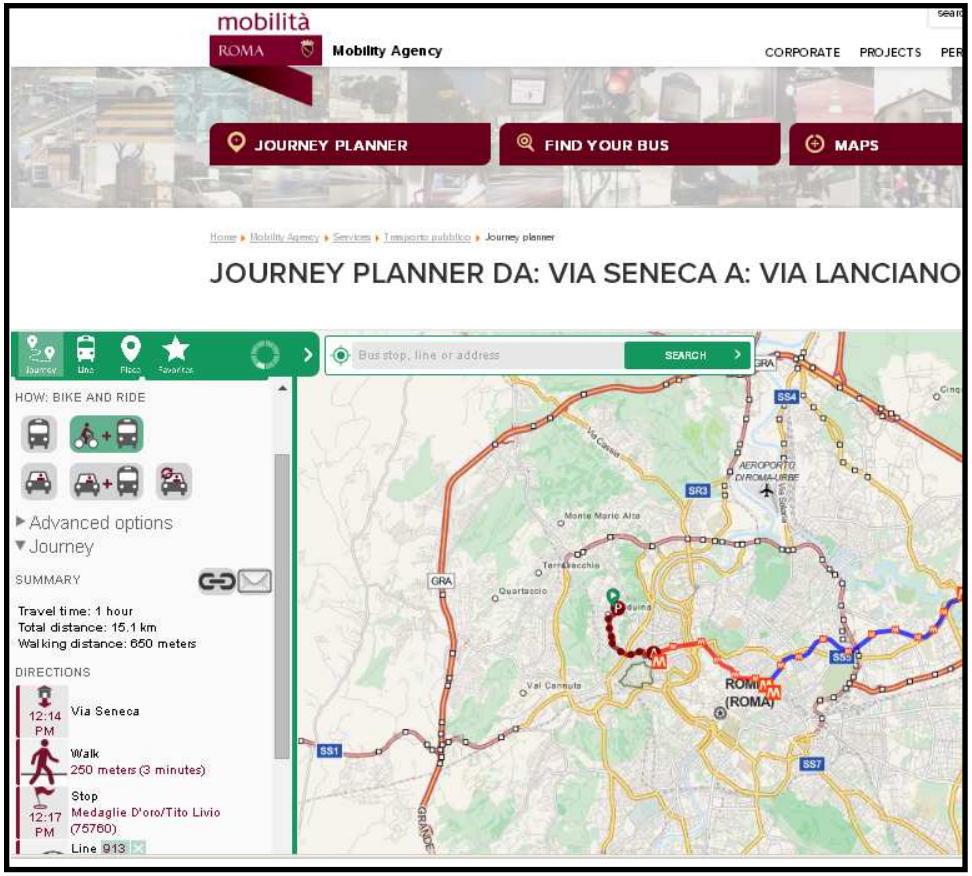
- Web site and app
- Public transport
- Live arrivals



Journey planners around Europe

MOBILITÀ ROMA

- Web site and app
- Public transport
- Private car
- Bike&Ride
- Park&Ride
- CarSharing
- Timetables



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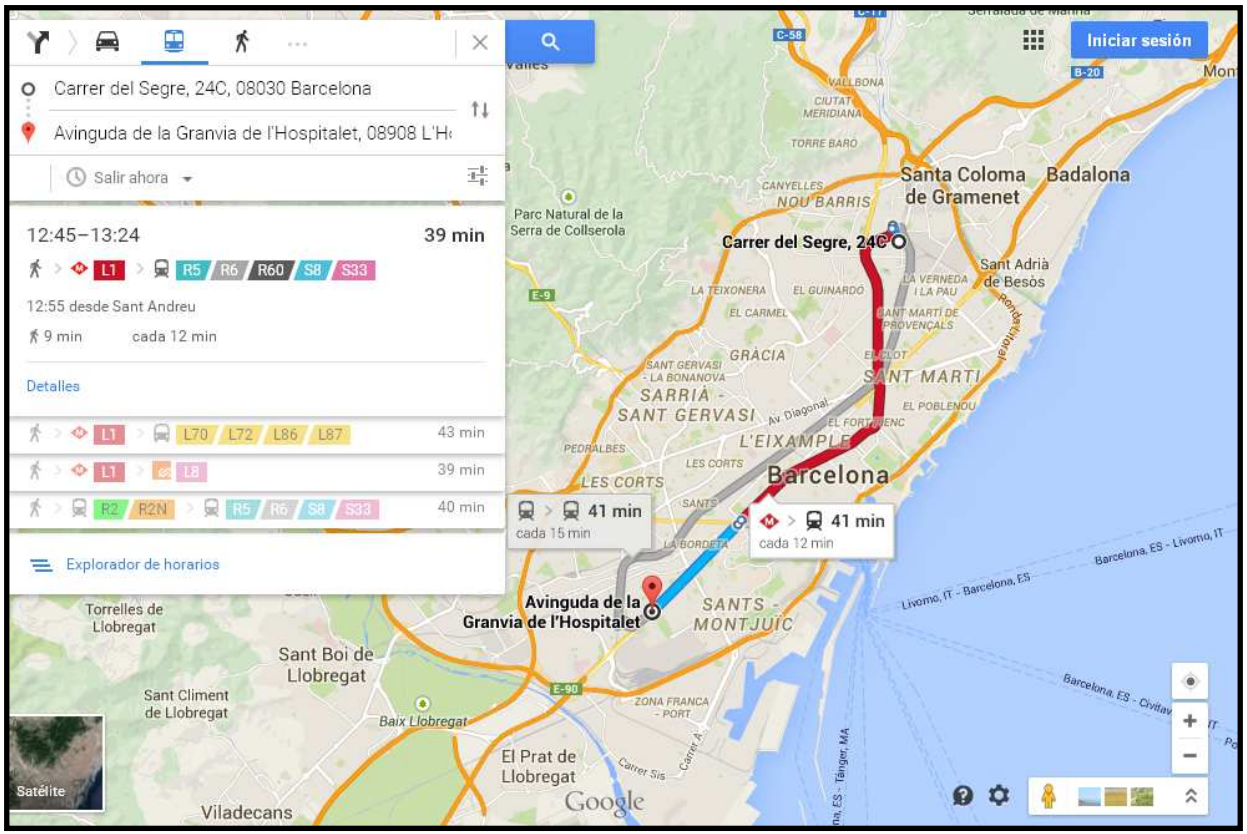
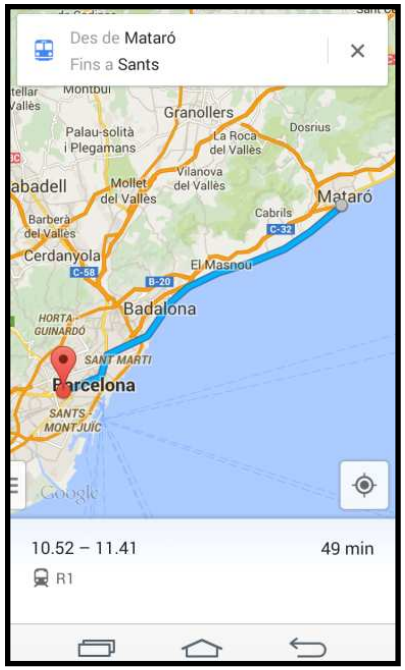
Journey planners around Europe

GOOGLE



- Website and App
- Public transport
- Private car
- Cycling



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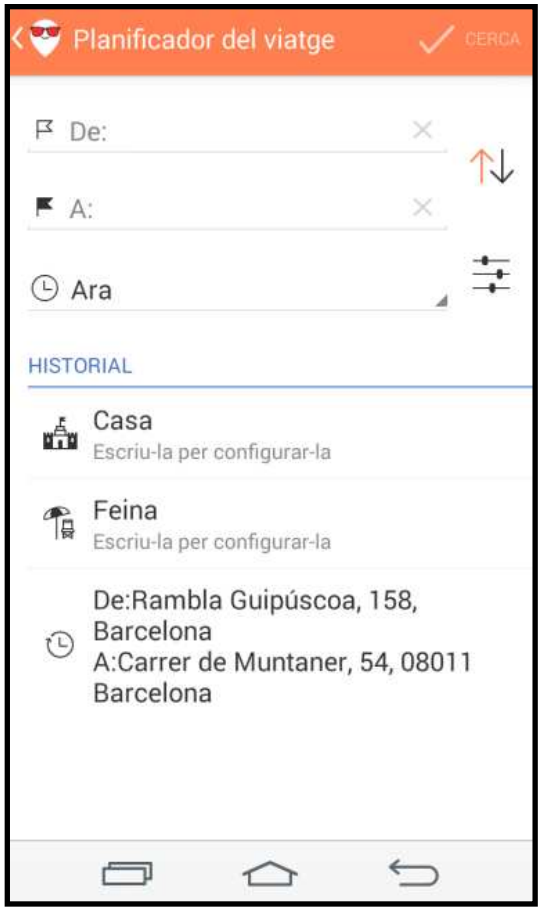
Journey planners around Europe

MOOVIT (BARCELONA)



- App and web
- Public transport
- Real time information

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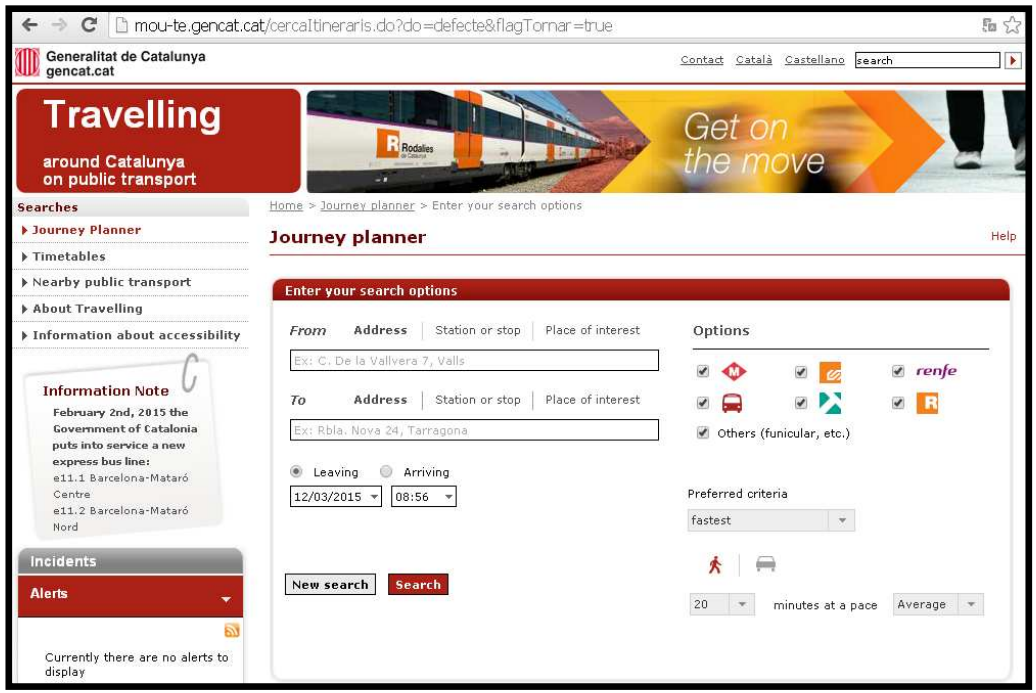
Journey planners around Europe

MOU-TE (CATALONIA)

Website:
http://mou-te.gencat.cat
www.gencat.cat/mou-te

Smartphone:
gencat.mobi/moute



Multimodal Journey planners: Current overview

- Journey Planner / Live Arrivals.
- Uni-modal (walking+public transport or private car or bicycle or carsharing)
- Some multimodal: Park&Ride, Bike&Ride, Kiss&Ride, etc.
- Different data providers.
- Complexity of the system
- Open data (static info, real time info?)
- Increase data reliability and updates.
- App/Web

Multimodal journey planners: Future challenges

- Multimodal trip (public transport, private car, bicycle, public bicycle schemes, e-scooters, carsharing, carpooling, etc).
- Business Models
- Role of Administrations
- App versus Web responsive
- User preferences/User profile
- Real time information, traffic conditions and incidents.
- Feedback. Trip monitor. Re-planning
- Social network
- Open data
- Booking and payments.
- National-European planners

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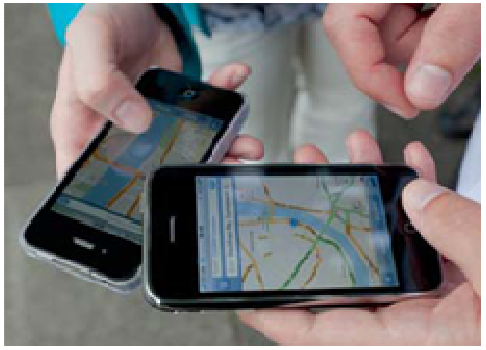
MY WAY. European Project

Enhancing personal urban mobility through smart services



- Part- funded under FP7 – ICT. *Smart Cities* call (DG CNECT)
- 30 months, (September 2013-February 2016)
- Total budget: 5M€ (3,6 M€ UE fund)
- Consortium: 14 members.

ICT solutions & service providers

softeco sismat information technology · THALES · enide · nexusgeografics

Research organisations

Fraunhofer FOKUS · ICCS · The Czech Technical University in Prague · University of Aberdeen

Local Authorities and stakeholders

POLIS · Generalitat de Catalunya Departament de Territori i Sostenibilitat · ATM Àrea de Barcelona Autoritat del Transport Metropolità · going GREEN · vmz Verkehr Mobilität Zukunft · e-trikala

THE MY WAY PROJECT: OBJECTIVES

Enhance journey planning and mobile user services facilitating personalised seamless integration:

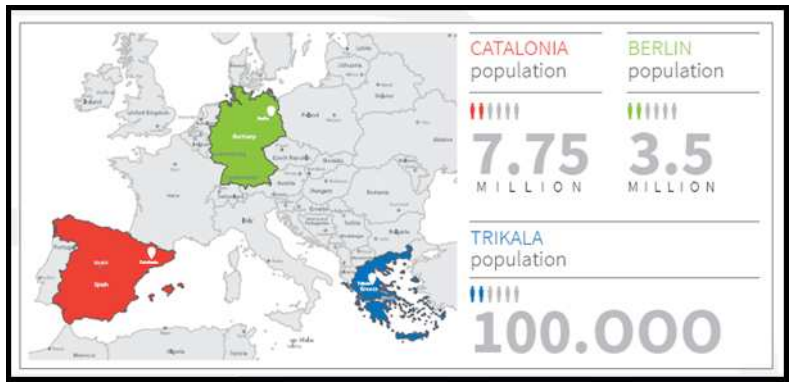
-**Fully multimodal journey planner: integration of public and private modes into a single trip** (public transport, private car, private bicycle, public bicycle, electric scooters, carpooling, carsharing, etc).

-**User centric vision of the application:** users' preferences, users' feedbacks (quality of services), adapting travel planning to user and community experience (learning from past travels), etc.

-**Real time updates, disruptions and incidents. Replanning.**

-**Booking of some services:** electric scooters, etc.

-**Fostering future internet, open architectures and interoperability:** cloud-based services, use of standards for accessing local ITS services, providing service APIs developing smart services



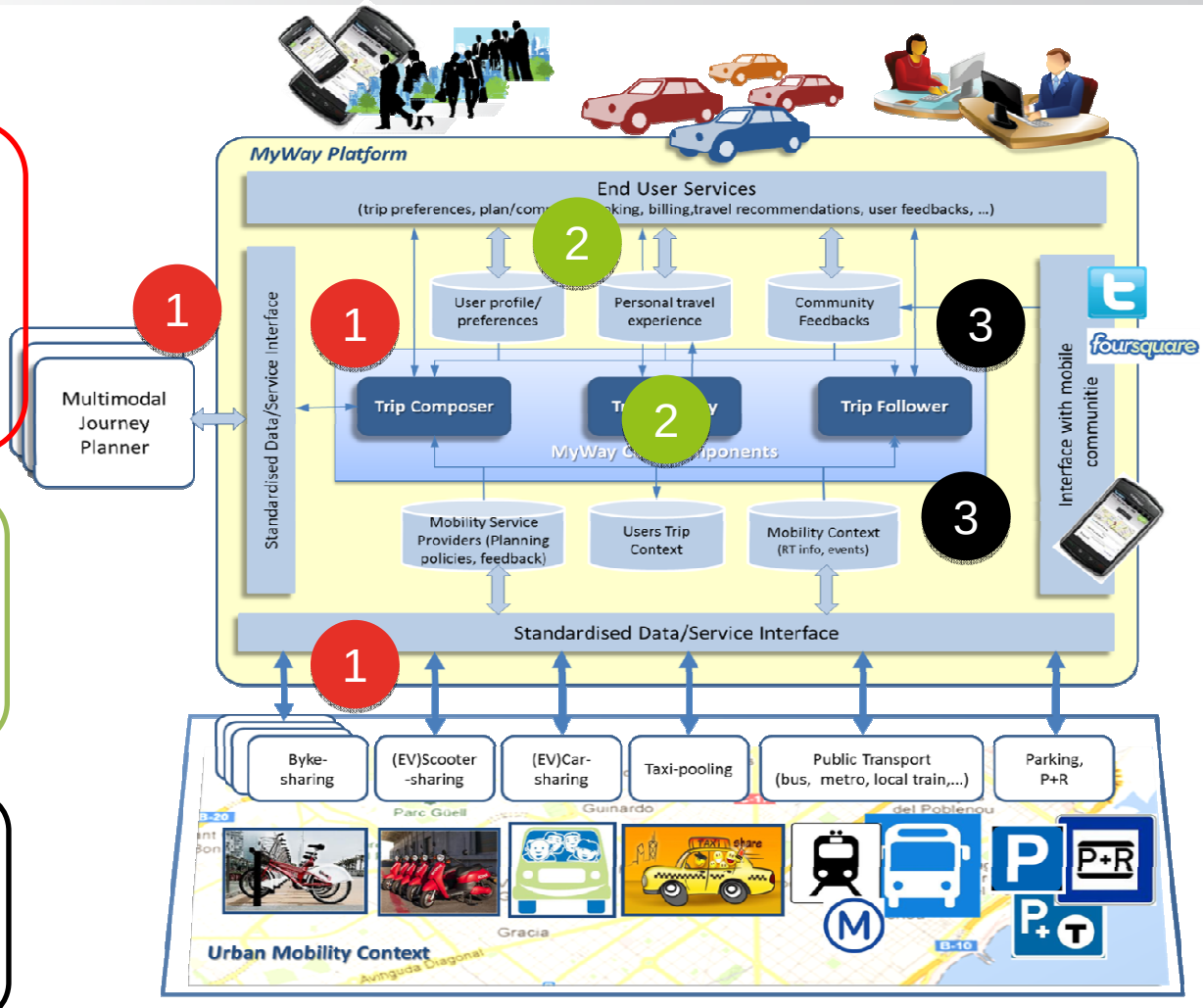
My Way

INNOVATION

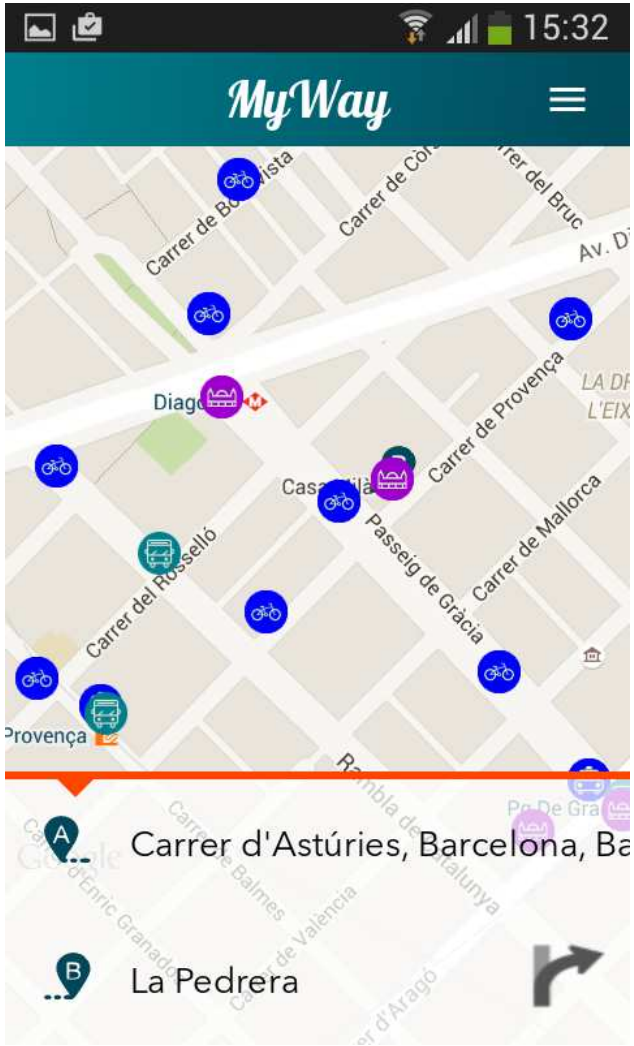
Trip Composer: 1
- All possible modes of transport: public/private
- External/existing planners
- Meta-planning

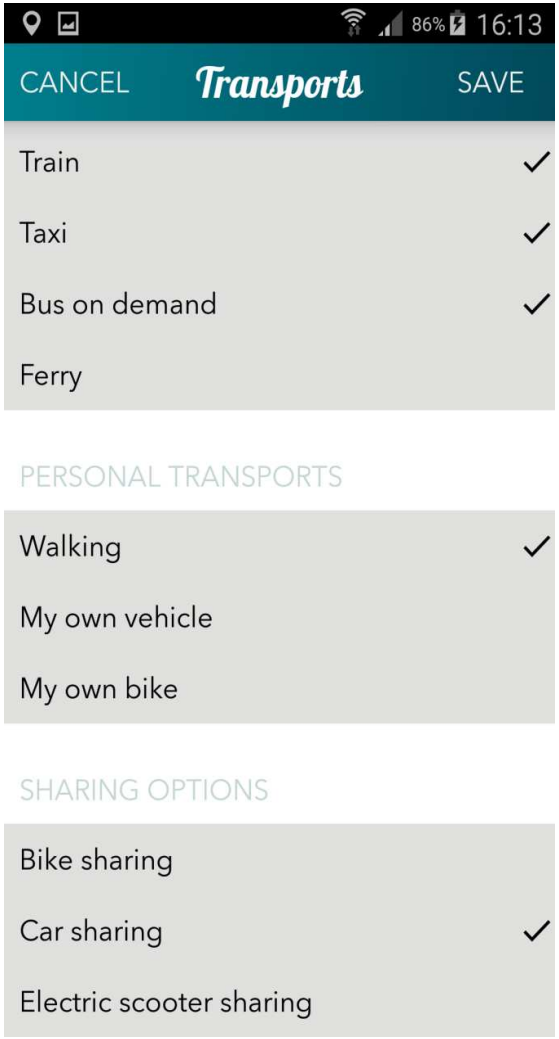
Trip Memory: 2
- Learning
- Tracking experience
- Updating → adapting

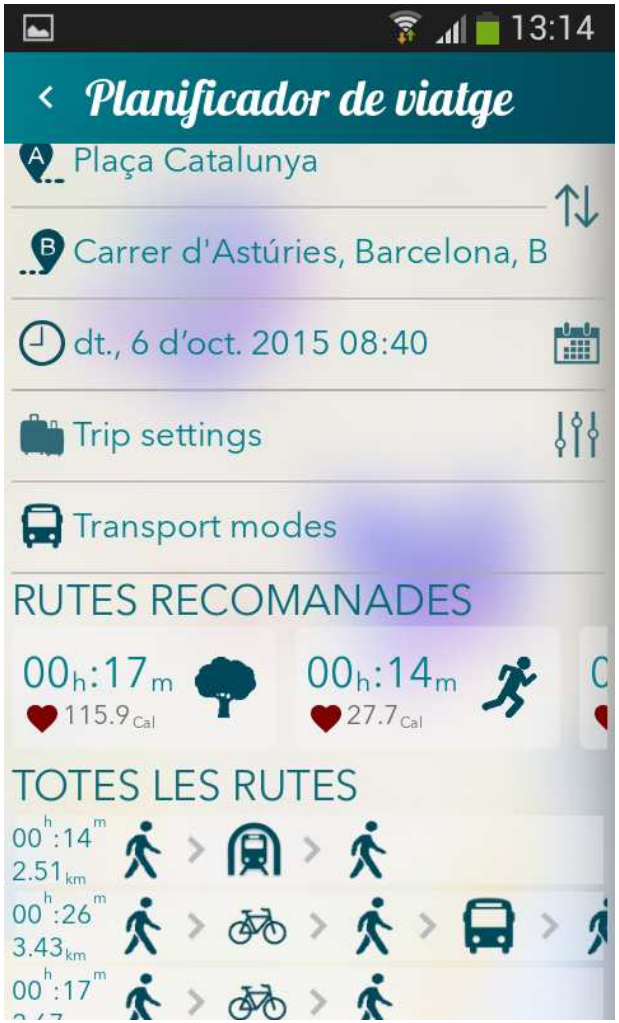
Trip Follower: 3
- Active monitor
- Alerts → proactive elements



Multimodal journey planners, user's preferences (user's centric vision)







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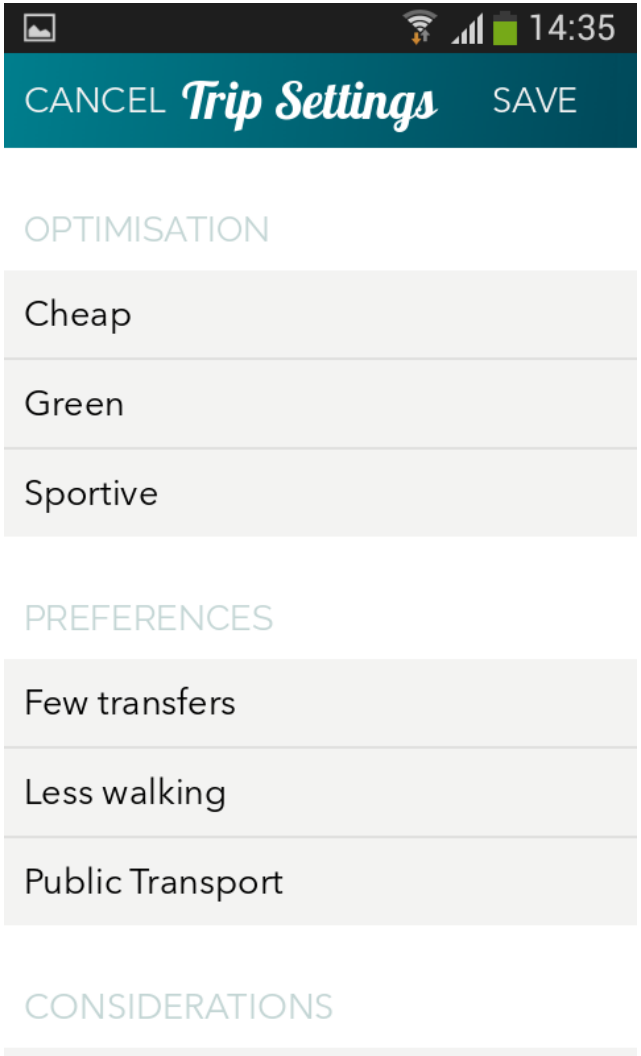
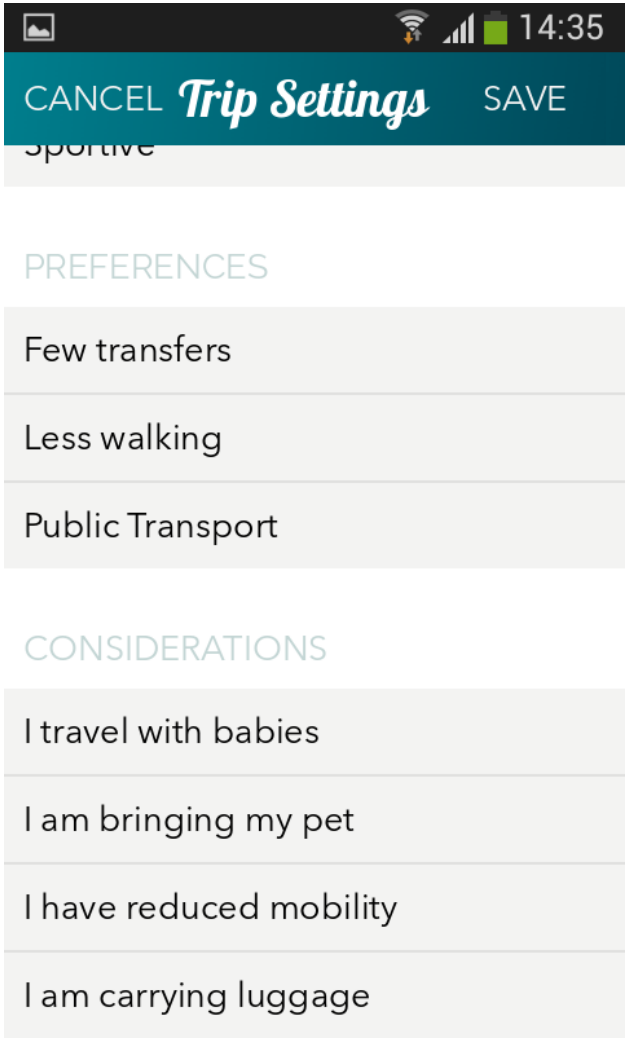
Trip settings





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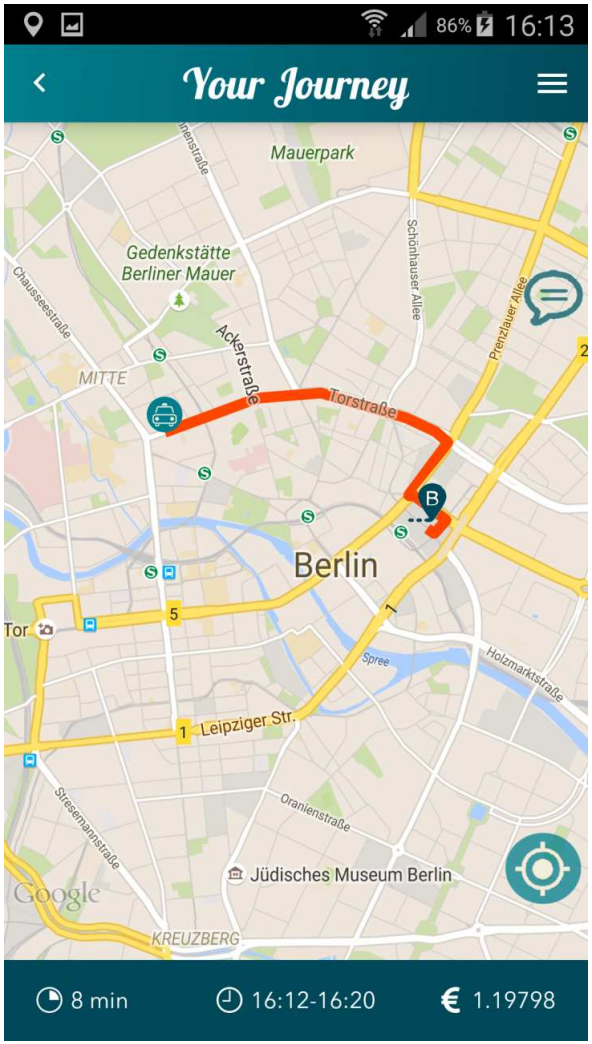
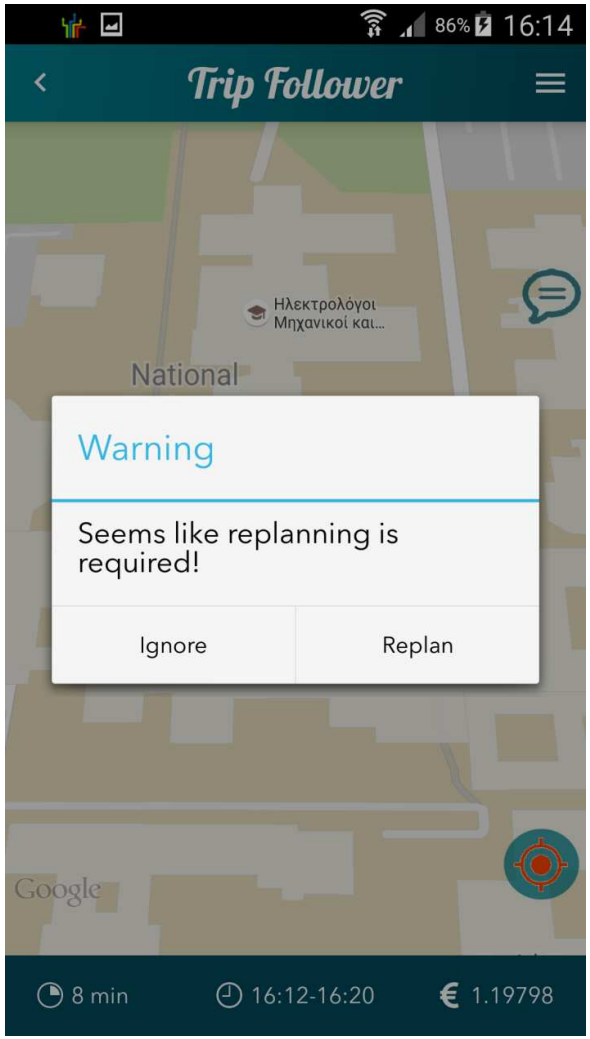
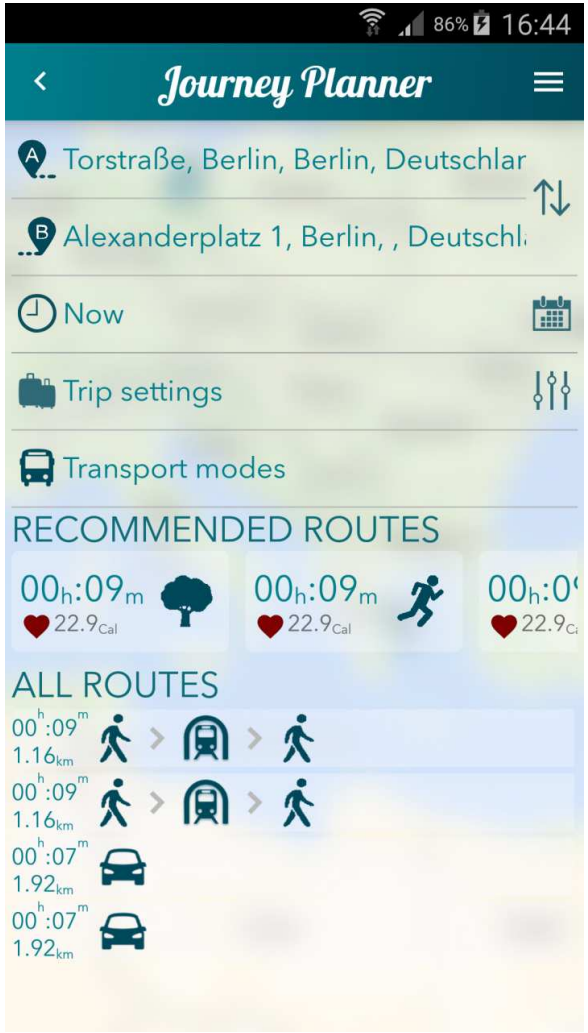
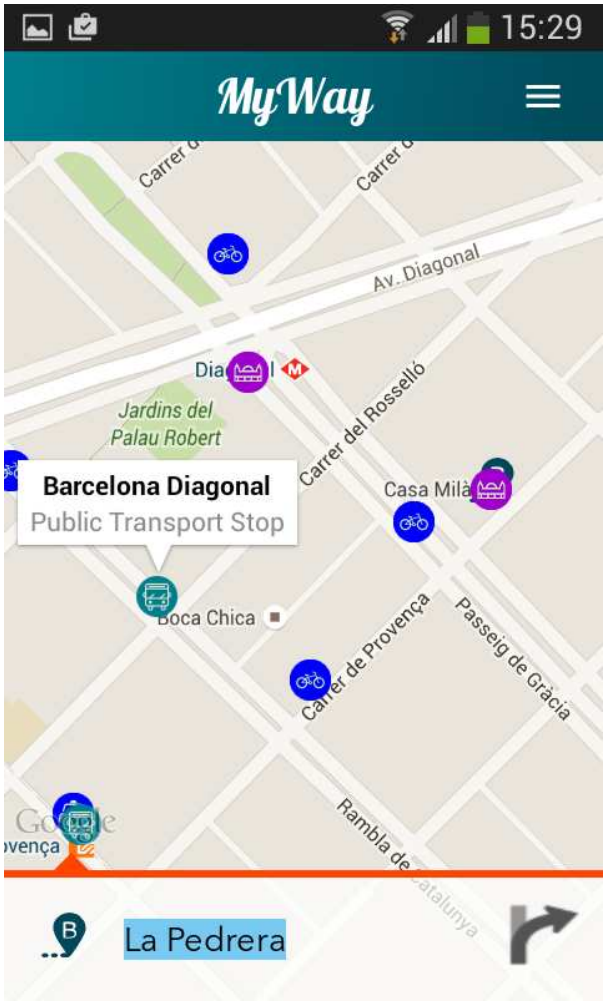
Trip follower and replanning

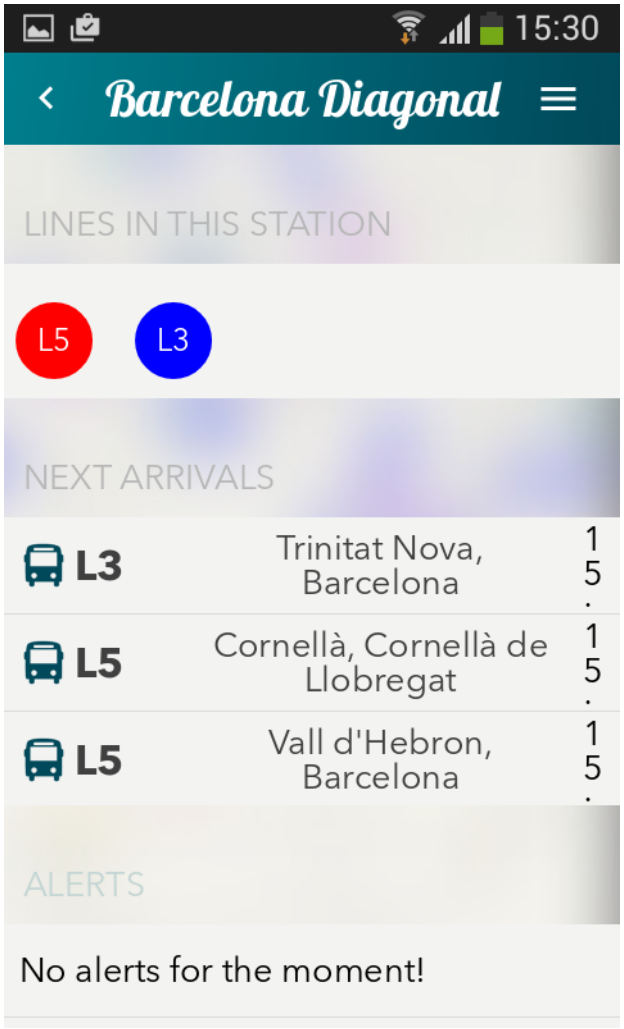


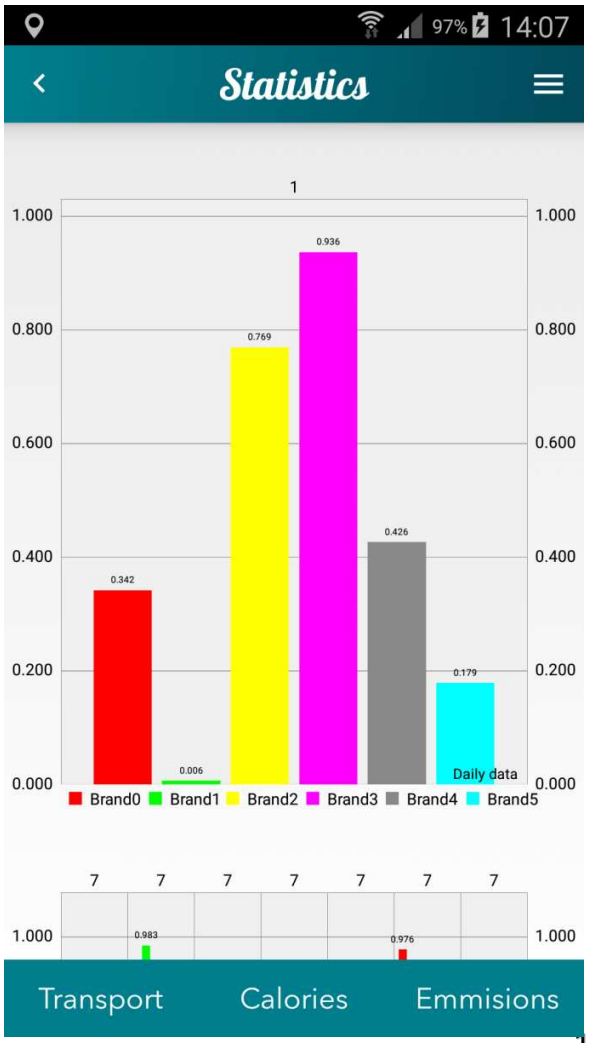




Real time information and statistics







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Thank you!

Cristina Pou

Contact Details

Head of Road Transport. Government of Catalonia

Av. Josep Tarradellas, 2. Barcelona

cristina.pou@gencat.cat

http://www.civitas.eu

City of Ljubljana

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Generalitat de Catalunya
Departament de Territori i Sostenibilitat

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